



JPL Case No.: C-16984
CIT Case No.: 1917
Attorney Docket No. JPL 87-008

PATENT

11/C
B Turner
02/22/91

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Group Art Unit: 237
Larry A. Bergman :

Entitled: OPTICALLY INTRA- :
CONNECTED COMPUTER EMPLOYING : Examiner: K. Kriess
DYNAMICALLY RECONFIGURABLE :
HOLOGRAPHIC OPTICAL ELEMENT :

Serial No.: 07/103,192

Filing Date: October 1, 1987

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GROUP 230

AMENDMENT

Hon. Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

In response to the Office Action dated November 21, 1990,
please amend the above-identified application as follows:

IN THE CLAIMS:

CM Claim 1. (Thrice Amended) In a computer including a
memory for holding a sequence of instructions to be executed,
logic for accessing the instructions in sequence, logic for
determining for each instruction a function to be performed
and an effective address thereof, and logic for executing each
instruction, the improvement wherein:

P1 (a) the logic for executing instructions comprises:
P2 a plurality of individual elements on a
common support substrate, optimized to perform certain logical
sequences employed in executing instructions; and

P1 (b) the computer comprises:
P2 element selection logic means connected to
the logic determining the function to be performed for each
instruction for determining a class of each function and for
causing the instruction to be executed by those of said

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